PATENT COOPERATION TREATY PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 12493602/VPA/sjp	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/AU2004/001300	International filing date (day/more 23 September 2004	(Earliest) Priority Date (day/month/year) 25 September 2003
Applicant QUEENSLAND UNIVERSIT	Y OF TECHNOLOGY et al	
This international search report consists of a t	international Bureau.	g Authority and is transmitted to the applicant according to
1. Basis of the report		•
a. With regard to the language, the interint it was filed, unless otherwise indicated	national search was carried out on I under this item.	he basis of the international application in the language in which
The international searc Authority (Rule 23.1(b	h was carried out on the basis of a	ranslation of the international application furnished to this
	••	ed in the international application, see Box No. I.
2. Certain claims were found uns	earchable (See Box No. II).	•
3. Unity of invention is lacking (S	ee Box No. III).	
4. With regard to the title,		
the text is approved as submitted	by the applicant.	į
X the text has been established by t	this Authority to read as follows:	
Banana resistance genes and	uses thereof	
5. With regard to the abstract,	· .	
the text is approved as submitted	house and Variable	
x the text has been established, acc	ording to Rule 38.2(b), by this Aut	nority as it appears in Box No. IV. The applicant may, within 1, submit comments to this Authority.
6. With regard to the drawings,		·
a. the figure of the drawings to be published.	hed with the abstract is Figure No.	
as suggested by the appl	licant.	
as selected by this Auth	ority, because the applicant failed t	o suggest a figure.
as selected by this Author	ority, because this figure better cha	racterizes the invention.
b. X none of the figures is to be publis	shed with the abstract.	ANAILABLE COPY

International application No.

PCT/AU2004/001300

Вс	x No	. 1	Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	1
1.	Wit clai	h rega med ii	rd to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the avention, the international search was carried out on the basis of:	1
	â.	type	of material	
		X	a sequence listing	
			table(s) related to the sequence listing	
	b.	form	at of material	
			in written format	
		X	in computer readable form	
	c.	time (of filing/furnishing	
			contained in the international application as filed	
		X	filed together with the international application in computer readable form	
			furnished subsequently to this Authority for the purposes of search	
2.		Tilec	ddition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that in application as filed or does not go beyond the application as filed, as appropriate, were furnished.	
3.	Addi	tional	comments:	
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International application No.

PCT/AU2004/001300

Box No. IV Text of the Abstract (Continuation of item 5 of the first sheet)					
The present invention relates to pathogenic resistance. More particularly the present invention polynucleotide and polypeptide sequences involved in the resistance mechanism of banana pla particularly, the soil borne Fusarium fungi. Two banana resistance genes, RGA5 and RGA2 a characterised. The invention also relates to the use of these sequences for modulating plant res producing genetically modified plants having modified pathogen resistance characteristics.	nts to fungal pathogens				
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INTERNATIONAL SEARCH REPORT International application No. PCT/AU2004/001300 CLASSIFICATION OF SUBJECT MATTER Int. Cl. 7: C12N 15/29 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) SEE ELECTRONIC DATABASE BOX BELOW Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SEE ELECTRONIC DATABASE BOX BELOW Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) GENBANK, DGENE: SEQ ID NO: 2 and 4 C. DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. EP 1334979, A (Kweek-en Researchbedrijf Agrico B. V.) 13 August 2003. X See example 5 and SEQ ID NO: 42 and 43. 1-24, 26-30, 32-37 and 41-48 WO 1997/006259, A (KEYGENE, N.V.) 20 February 1997. X See figure 6a-d and claim 41. 1 - 48EP 1024196, A (KEYGENE N.V.) 2 August 2000. X See SEQ ID NO: 5. 1-48 Further documents are listed in the continuation of Box C See patent family annex Special categories of cited documents: "A" document defining the general state of the art which is later document published after the international fiting date or priority date and not in not considered to be of particular relevance conflict with the application but cited to understand the principle or theory underlying the invention earlier application or patent but published on or after the document of particular relevance; the claimed invention cannot be considered novel international filing date or cannot be considered to involve an inventive step when the document is taken "L" document which may throw doubts on priority claim(s) document of particular relevance; the claimed invention cannot be considered to or which is cited to establish the publication date of involve an inventive step when the document is combined with one or more other another citation or other special reason (as specified) such documents, such combination being obvious to a person skilled in the art "O" document referring to an oral disclosure, use, exhibition document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 3 November 2004 0 9 NOV 2004 Name and mailing address of the ISA/AU Authorized officer **AUSTRALIAN PATENT OFFICE** PO BOX 200, WODEN ACT 2606, AUSTRALIA

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International application No. PCT/AU2004/001300

C (Continuat		C17AC2004/001300
O (COMMINA)	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to clain
x	WO 1996/032007, A (Yeda Research and Development Co. Ltd.) 17 Octol See figure 4a-c and claim 1.	per 1996. 1-48
x	EMBL database Accession No. CAD58967. Disease resistance protein NBS type [Musa acuminata] 15 December 2002. See whole document.	S-LRR 1, 10-13 and 3
		·

Information on patent family members

International application No. PCT/AU2004/001300

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
EP	1334979	CA	2475467	US	2003221215	wo	2003/066675
wo	1997/006259	AU	68710/96	CA	2227524	· EP	0843727
EP	1024196	AU	22940/00	WO	2000/044916		
wo	1996/032007	CA	2215141	EP	0820220	US	6100449

ne to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX

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